

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

ORIGINAL

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MAR 7 2003

Petition for permission to make a major change in crossing protection, or to install new protection under 92 Illinois Administrative Code 1535.400 (d).

X-11958

Date: February 27, 2003

Illinois Commerce Commission
RAIL SAFETY SECTION

702-0102

To the ILLINOIS COMMERCE COMMISSION:

The petitioner Norfolk Southern Railway Company shows

- (1) That it is a railroad company operating a line of railroad in the State of Illinois.
- (2) That petitioner proposes and hereby makes application for authority to make a major change in crossing protection, or to install new protection, under 92 Illinois Administrative Code 1535.400 (d) adopted by this Commission.
- (3) That the location of the crossing, nature of protection now established and proposed to be established, and other pertinent facts in connection therewith, are set forth in the statement attached to and forming part of this petition.
- (4) That petitioner's reasons and purpose, with reference to its said proposal are to:

Modification of Grade Crossing Warning Devices requested by Illinois Department of Transportationat: Bill Hartz Road in New Baden, Clinton County, Illinois, DOT: 724 630V,MP. 35.51 WFile No. 061-04.482Project No. 04.0447

- (5) That the facts set forth in this petition and in the statement and plans or plats attached thereto, are, all of them, true and correct to the best of petitioner's knowledge and belief.

WHEREFORE, the petitioner prays that the Commission will, if deemed desirable by the Commission, set the aforesaid matter for hearing, and that the Commission enter an order or adopt a resolution consenting to and granting authority for the making of the said proposed changes in or additions to crossing protection.

Norfolk Southern Railway Company

By



R. H. Ray, Administrator
Highway Grade Crossings

Thomas W. Ambler
(Attorney for Petitioner)

Norfolk Southern Corporation
Three Commercial Place
Norfolk, VA 23510-2191
(Attorney's Address)

DOCKETED

Statement, attached to and part of an application for permission to make a major change in crossing protection or to install new protection, under 92 Illinois Administrative Code 1535.400(d).

1. Name of Railroad Company Norfolk Southern Railway Company
2. Crossing Number 724 630V
3. Village or City New Baden
4. Name of Street or Highway Bill Hartz Road
5. Public Agency Maintaining Highway County
6. Protection now established:
Passive Cross Buck Signs.
7. Protection desired:
Modify grade crossing warning devices to Flashing Light Crossing Signals
with Gates controlled by constant warning time detection devices.
8. Number of main tracks One Other tracks One
9. Number of passenger movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
10. Number of freight train movements:
6 a.m. to 6 p.m. Eight 6 p.m. to 6 a.m. Eight
11. Approximate number of switch movements:
6 a.m. to 6 p.m. None 6 p.m. to 6 a.m. None
12. Maximum speed of trains at crossing on each track in each direction:
North/East 60 M.P.H. on Main Track, 25 M.P.H. on Side Track
South/West 60 M.P.H. on Main Track, 25 M.P.H. on Side Track
13. Passenger platforms served by tracks within the limits of track circuits, if any None

14. Where automatic signals or gates are proposed, approximate number of train or engine movements daily which would cause false indications or operation:

None

15. Nature and approximate amount of street or highway traffic over crossing:

250 AADT

16. In addition to the information listed hereinbefore in Form 3, attach a track plan or plat of the proposed crossing. This plan should show:

- (a) Width and surface of highway.
- (b) Highway intersections (including private driveways to be so indicated) and location of established highway signs or signals within 100 feet of crossing.
- (c) Location of tracks, switches and other railroad facilities such as block signals, etc. within limits of track circuits, present and/or proposed.
- (d) Where automatic protection is proposed, show proposed location of signals (side lights, cantilevers, etc., if any).
- (e) Show the length of each operating track section within the control limits of the crossing protection and its function.

ADDITIONAL INFORMATION

Drawing attached for question no. 16

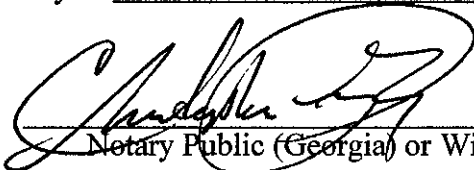
(File Original and Two Duplicates)

VERIFICATION

I, R. H. Ray, first being duly sworn upon oath depose and say that I am
Administrator – Highway Grade Crossings, of Norfolk Southern Railway Company, a
Virginia corporation; that I have read the above and foregoing petition by me subscribed and know the
contents thereof; that said contents are true in substance and in fact, except as to those matters stated upon
information and belief, and as to those, I believe same to be true.


Administrator - Highway Grade Crossings

Subscribed and sworn to before me this 27
day of February 20 03.

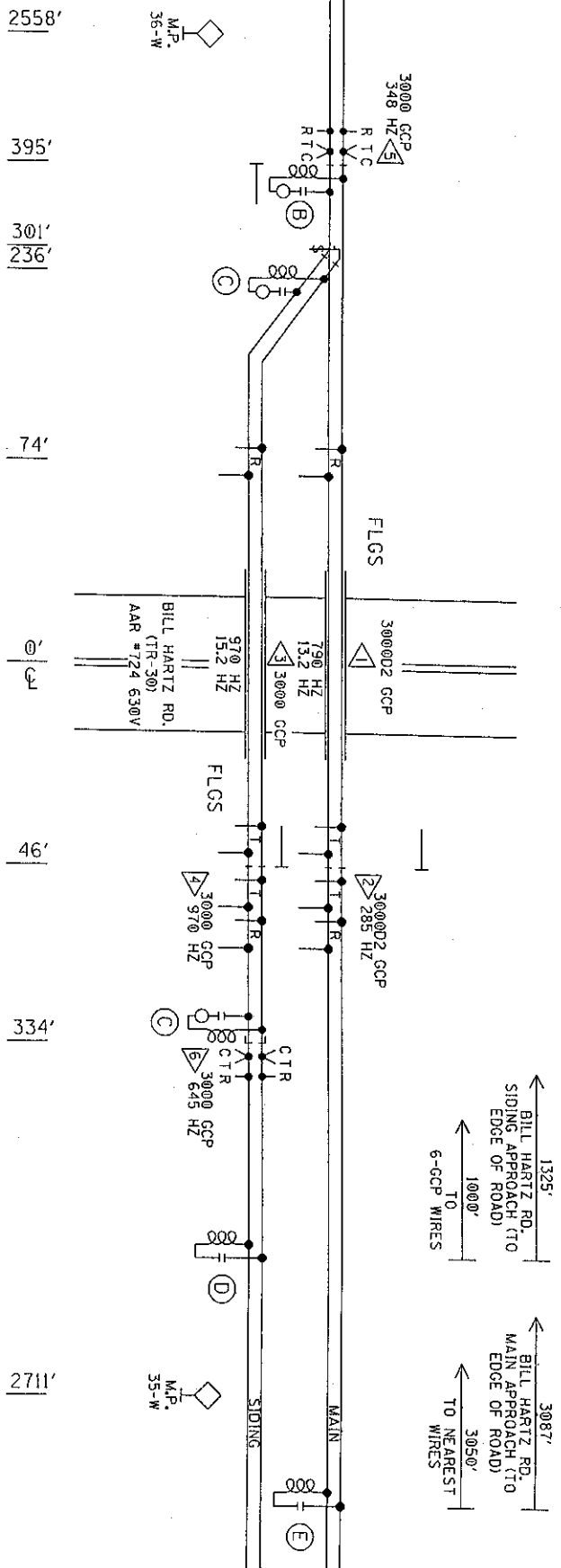


Notary Public (Georgia) or Witness

My Commission Expires: _____

TO LOUISVILLE

TO ST. LOUIS



- (A) MF-NBS 62775-1543 (348HZ)
- (B) MF-NBS 62775-3497 (790HZ)
- (C) MF-NBS 62775-3497 (970HZ)
- (D) MF-NBS 62775-3497 (645HZ)
- (E) MF-NBS 62775-1543 (285HZ)

PROFILE

DESIGNED BY:	TTI 01-20-03	OFFICE OF ASST. VICE PRESIDENT	FILE NO.	FILE R-
DRAWN BY:	SWS 01-20-03	COMM. & SIGNAL, ATLANTA, GA.	NO.	2 of 22
CHECKED BY:	SEK 02-03-03	NEW BADEN, IL		
IN SERVICE:		FLGS AT BILL HARTZ RD. (TR-30)		
PROPERTY:	NORFOLK SOUTHERN RAILWAY CO.	CAO or	CS0796P.02	
REVISION:	INITIALS			

Detailed Estimate for Grade Crossing Warning Devices

City/State: NEW BADEN, IL
MilePost: 35.51-W
State Proj. No.:
S&E Proj. No.: 04.0447
Man Days: 88

Road: BILL HARTZ RD.
DOT/AAR: 724630V
County: CLINTON
AFE:
File Number: 061-04.482

Purchases - Other

Meals and Lodging:	\$7,290.00	
Rental of Equipment:	\$15,930.00	
(2 Trucks, 1 Backhoe w/ Trailer and 1 Pipe-Pusher for 22 Days)		
Construction Supervision Vehicle:	\$300.00	
Contingencies:	\$590.00	
Purchases - Other Total:		\$24,110.00

*** Material and Additives***

Material Cost:	\$95,290.00	
Sales and Use Tax:	\$4,760.00	
Material Handling Freight:	\$9,050.00	
Material Total:		\$109,100.00

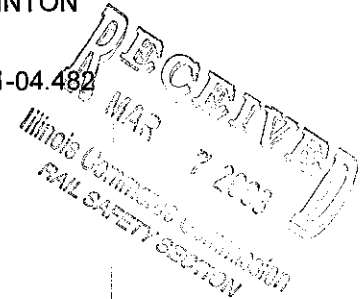
Labor and Additives

Labor Cost:	\$18,740.00	
(4 man crew at \$852.00 a day for: 22 days)		
Payroll Tax & Overheads:	\$16,230.00	
Preliminary Engineering:	\$10,030.00	
Construction Supervision:	\$5,290.00	
Labor Total:		\$50,290.00
Subtotal:		\$183,500.00
Credit:	\$0.00	
(Salvage/Scrap)		
Project Total:		\$183,500.00

Estimated on: 20-Feb-03

Estimated by: ndney

Estimate valid for 1 year from date of estimate



Highway Crossing Signalization Program - Material List

Do not substitute items without permission from S & E Engineering

City:	NEW BADEN
Road:	BILL HARTZ RD.
Milepost:	35.51-W
Drawing Number:	CS0796P
State Project Number:	
County:	CLINTON
A A R Number:	724630V
Project Number:	04.0447
File Number:	061-04.482
A F E Number:	
Store Number:	
Supervisor:	J.E. BROWNE
Tax Code:	1200
Vendor to supply the following copies after pricing:	
1 Set - Material Management with original invoice	
2 Sets - with plans shipped in car with material	
1 Set - S&E Gen. Supt. Construction w/ copy of invoice	

20-Feb-03

Location: NEW BADEN IL S&E Proj. No.: 04.0447 AFE No.: Drawing No.: CS0796P
 Store No.: P.O. Number: Date Required: Date Shipped: Vendor: SW Signal Engineering Company

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
3	670-360693-4	EA	\$4.82	\$14.46	AARDOT NUMBER PLATE/DECAL, ORDER 3 PER PROJECT. 60 DAY LEAD TIME. SUPPLIED BY STRAN				
1	165-006505-4	EA	\$1,028.00	\$1,028.00	AC SERVICE, COMPLETE LESS METER BASE, ASSEMBLED ON 30' POLE				
1	670-010827-4	EA	\$238.23	\$238.23	AND GATE, SAFETRAN A90975				
2	670-001321-4	EA	\$246.66	\$493.32	ARM, GATE FIBERGLASS-ALUMINUM 17-24 FT., L&W OR US&S OR SAFETRAN 076600-240017 OR				
22	165-021636-4	EA	\$16.82	\$370.14	ARRESTER, LIGHTNING 3 POST PORCELAIN BASE SSC#022485-33X				
13	105-871901-4	EA	\$154.22	\$2,004.81	BATTERY, GNB 265AH MODEL 50A11 SINGLE CELL 2.25 VOLTS				
1	670-503047-4	EA	\$185.75	\$185.75	BELL, CROSSING ELECTRONIC GENERAL SIGNAL, EB-3-360-5 CR 02-04350				
4	165-000341-4	EA	\$10.54	\$42.16	BERM WALL ANCHOR ROD, WITH NUT A.B. CHANCE #6417 (ORDER 4 PER BERM WALL)				
26	165-479603-4	EA	\$7.10	\$184.66	BERM WALL DEADEND STRANDVISE GRAYBAR# 5201T (ORDER 2 PER POWER SOURCE) OR (26 PER BERM WALL)				
1	670-010843-4	EA	\$528.74	\$528.74	BERM WALL, ARMCO SEMI-CIRC. 12 GA GALV. STEEL 4'-6" HIGH (FOR FLS, FLGS & CFLS) COMPLETE W/POSTS				
4	215-003229-4	EA	\$11.72	\$46.87	BERM WALL/BACK GUY ANCHOR, A.B. CHANCE# 88135 (ORDER 4 PER BERM WALL) OR (1 PER POWER SOURCE)				
11	670-005125-4	EA	\$2.11	\$23.19	BLOCK, TERMINAL BAKELITE FOR MOUNTING LIGHTING ARRESTOR EQUALIZER OR RESISTANCE UNIT				
3	670-058281-4	EA	\$11.25	\$33.74	BLOCK, UNIVERSAL TERMINAL OF 12 SINGLE POST SAFETRAN 023390-11X, W-C 2508-112E W-NUTS & WASHERS CR 02-048757				
2	670-980689-4	EA	\$63.71	\$127.41	BRACKET HIGH WIND, (RIGID 3), WIG- 191036, WALRUS TUSK TYPE				

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CAR NUMBER

SEAL NUMBER

Location: NEW BADEN IL S&E Proj. No.: 04.0447

Drawing No.: CS0796P

Vendor: SW Signal Engineering Company

Store No.: P.O. Number:

A/E No.: Date Required:

Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
2	670-561375-4	EA	\$1,201.20	\$2,402.40	BRACKET, GATE SAVER, NEG385102GS, SPRING LOADED SWING AWAY ADAPTER FOR FIBERGLASS/ALUMINUM GATES, USE WITH GATE 28' AND LESS				
3400	465-292862-4	LF	\$1.00	\$3,409.86	CABLE, U-2-6 TWISTED, S-23 OKONITE 113-12-3933 SOLID TINNED CONDUCTOR				
400	465-292929-4	LF	\$3.00	\$1,199.44	CABLE, U.G. 5 COND. NO. 6 AWG SOLID COPPER CABLE TO MEET NS CORP. SPEC. FOR SIGNAL				
400	465-939422-4	LF	\$2.56	\$1,023.40	CABLE, UG 12 CONDUCTOR NO 14 AWG SOLID EACH CONDUCTOR WITH 5/64 IN INSULATION 10 MIL				
300	465-791835-4	FT	\$1.96	\$587.40	CABLE, UG AC ENTRANCE 3C#6-7X OKONITE FMPE-L 094-078 TR W/G 1 X 8 7X W010 BRZ TAPE 600V PRODUCT CODE 206-11-6070				
3	670-128745-4	EA	\$158.85	\$476.56	CHOKE, BATTERY SAFETRAN NO 8A066A FOR GRADE CROSSING PREDICTOR				
120	165-544477-4	FT	\$2.00	\$239.47	CONDUIT, 4"x10" PVC, SCHEDULE 80 BELL CONNECTOR AT ONE END, 1/2 PT. GLUE IN KIT 670-123298-4				
6	670-918555-4	EA	\$3.39	\$20.33	CONNECTOR, WEB TRACK 1IN X 4IN LONG, FOR SHUNT CONN TO RAIL, INCLUDES WELD METAL & MOLDS (ERICO #SBTBUA4)				
14	670-090450-4	EA	\$49.62	\$694.75	CONNECTOR, WELDED FAR RAIL HARMON A1000-2W				
14	670-486646-4	EA	\$40.66	\$569.24	CONNECTOR, WELDED NEAR RAIL HARMON A1000-1W				
1	670-005026-4	EA	\$398.45	\$398.45	CONVERTER/DRIVER, SINGLE UNIT DC EPC MODEL 2TC DC, 2 OUTPUTS FOR TRACK CIRCUITS UP TO 1000 FT.				
2	670-793404-4	EA	\$838.38	\$1,676.76	COUNTERWEIGHT PKAGE, 17-24 GATE STRAN S-MECH ONLY, STAINLESS, TO INCLUDE HUB, SUPPORT ARMS				
4	670-760012-4	EA	\$34.90	\$139.59	COVER, FOR 1 WAY FLASHING LIGHT ASSY, 18 OZ. BLACK VINYL COATED NYLON, ===TO COVER 2 LAMPS===				
3	670-080337-4	EA	\$0.73	\$2.18	DECAL, XING SIGNAL MALFUNCTION 11" X 4", GATE MOUNT				

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Store No.: P.O. Number: Date Required: Date Shipped: Vendor: SW Signal Engineering Company

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed				Quantity Returned (Credit)	Special Instructions
3	670-077544-4	EA	\$0.54	\$1.63	DECAL, X'ING SIGNAL MALFUNCTION 6" X 6", MAST MOUNT							
1	670-986650-4	EA	\$361.26	\$361.26	DISPOSAL, CONSTRUCTION DEBRIS AND CLEANING X'ING EQUIPMENT CONTAINER							
11	670-228165-4	EA	\$10.73	\$117.98	EQUALIZER, SAFETRAN 022700-1X LESS BASE, MODERN NO. 700-1 SHUNT ARRESTER TRACK CIRCUITS CR 02-197950							
1	670-000004-4	EA	\$281.44	\$281.44	FCC LICENSE FOR MONITOR/RADIO							
6	670-000003-4	EA	\$255.85	\$1,535.10	FILSTONE #57, QUANTITY IS BASED ON TRUCK LOAD PLUS DELIVERY COST							
2	670-015231-4	EA	\$381.69	\$763.37	FOUNDATION, DIXIE, S-2 GATE 56" ASSEMBLED							
1	670-923649-4	EA	\$39.86	\$39.86	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-0800							
1	670-718743-4	EA	\$57.98	\$57.98	INDUCTOR, SIMULATED TRACK SAFETRAN 8V617-1000							
1	670-477991-4	EA	\$292.81	\$292.81	KIT, GROUNDING ASSY FOR AL I/S INCLUDES 8 GRD RDS, 200 #4 WIRE, 12 4 WIRE ONE-SHOTS, ERICO SBK206							
1	670-123298-4	EA	\$256.93	\$256.93	KIT, HARDWARE SUPPLIES REQUIRED X'ING PKGAGES, WEB CONNECTORS FOR SHUNT(8EA) TAPE, AMPS, P-GUM PAINT, SLEEVES, TAGS, GLUE, 100 EA WHITE TAGS,)NE CAN BLUE MARKING PAINT ETC...							
2	670-764166-4	EA	\$907.09	\$1,814.18	LAMP ASSY, 5" MAST MTG, 2W IND, 20" BKGRD, FLX-12 W/BULB STRAN #042003-487XNS							
6	165-643547-4	EA	\$8.43	\$50.60	LAMP, 18 WATT 10 VOLT S-11 SC BAY 18S11/1SC CLEAR RMY SIGNAL UJ-71463 GE							
22	670-440826-4	EA	\$1.01	\$22.29	LINK, SAFETRAN 024620-1X INSL TESTING COMP 1 IN CENTER SIGNAL CIRCUITS CR 02-286662							
4	255-590880-4	EA	\$15.62	\$62.47	LOCK, AMERICAN LOCK MODEL H-10KA KEYED ALIKE TO PRIVATE KEYWAY D456 AND STAMPED "NS SIG"							

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Location: NEW BADEN IL S&E Proj. No.: 04.0447

Drawing No.: CS0796P

Vendor: SW Signal Engineering Company

Store No.: P.O. Number:

AFE No.: Date Required:

Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
2	670-637778-4	EA	\$1,055.55	\$2,111.09	MAST, 5" ALUMINUM 13'10" WITH DOUBLE JCT. BOX BASE, STRAN P# 070519-11AX.				
2	670-521147-4	EA	\$2,932.81	\$5,865.62	MECHANISM, GATE MODEL S40, WITH CONTACT HEATER, COMPLETE W/RELAY STRAN # 074000-W00090				
1	970-000004-4	EA	\$2,046.80	\$2,046.80	MISC. EXPENSE FOR CULVERT RELOCATION / EXTENSION, 1 SIDE OF TK.				
1	670-014233-4	EA	\$980.09	\$980.09	MODULE, DAX FOR 3000 GCP SAFETRAN #80016				
1	670-700469-4	EA	\$1,128.30	\$1,128.30	MODULE, MULTI FREQUENCY ISLAND SAFETRAN #80211 FOR 3000GCP				
1	670-803515-4	EA	\$2,901.80	\$2,901.80	MONITOR, HWY XING, (DEMA-NS8-1M) W/DUAL SENSOR & RITRON RADIO, FREQ. COMBO #1, CH 1 = 160.950MHZ, CH 2 = 161.535MHZ, INCLUDES WIRING AND INSTALLATION				
4	670-001347-4	EA	\$57.98	\$231.90	PACKAGE, HARDWARE SIGN 5 IN. MOUNTING, SERRMI A1250-5, HARMON @200965-000, OR				
1	255-646807-4	EA	\$9.49	\$9.49	PADLOCK, SAFETRAN PART NO. 030399-29X SCREW TYPE FOR CIR CONTROLLER AND BTY. BOX				
1	670-514605-4	EA	\$8.43	\$8.43	PINNACLE, W-C SECT 1-11, 4" & 5" REF K1 110-8 OR SAFETRAN NO. @035045-503X				
2	670-973480-4	EA	\$7,665.27	\$15,330.53	PREDICTOR, DUAL FREQ. 3000 2 TRACK, SAFETRAN #80200-102-0 NO ISLAND, W/PROCESSOR 80214				
12	165-103293-4	EA	\$44.47	\$533.60	PROTECTOR, LIGHTNING & SURGE LPC 10560-51, 3 ELECTRODE WITH SPADE TERMINAL				
1	670-166532-4	EA	\$140.72	\$140.72	PROTECTOR, SURGE 3-WIRE PLUS GRD 120/240 JOSLYN ELECTRONICS 1259-21-A FOR I/S AC BREAKER PANEL				
7	465-002899-4	EA	\$20.88	\$146.14	REEL, CABLE DISPOSABLE FOR CROSSING SIGNAL PACKAGES				
1	670-066502-4	EA	\$7,006.00	\$7,006.00	SHELTER, W/FARADAY, W/GENERATOR CONNECTION, BARE 6X6 ALUMINUM, SAFETRAN P/N 058400-66-78B, W/ADJ. PIERS				

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Location: NEW BADEN IL S&E Proj. No.: 04.0447

AFE No.: Drawing No.: CS0796P

Vendor : SW Signal Engineering Company

Store No.: P.O. Number:

Date Required:

Date Shipped:

Qty.	Class-Item-CD	UI	Price per Item	Total Price	Item Description	Quantity Shipped	Quantity Installed	Quantity Returned (Credit)	Special Instructions
10	670-798192-4	EA	\$5.20	\$52.00	SHIELD, GROUND (SERRM# 61224) FOR GROUNDING R.H. 3-POST TERMINAL BLOCK				
10	670-809896-4	EA	\$5.20	\$52.00	SHIELD, GROUND (SERRM# 61224-1) FOR GROUNDING L.H. 3-POST TERMINAL BLOCK				
6	670-586967-4	EA	\$34.74	\$208.47	SHUNT COVER W/LAG SCREWS, 19"X19", SERRMI #40271, ORDER 1 PER SHUNT				
2	670-652773-4	EA	\$470.56	\$941.12	SHUNT, MULTI-FREQ. #62775-1543 SAFETRAN NARROW BAND				
4	670-688850-4	EA	\$370.27	\$1,481.06	SHUNT, MULTI-FREQ. #62775-3497 SAFETRAN NARROW BAND				
2	670-806648-4	EA	\$56.42	\$112.84	SIGN, X-BUCK, LESS HARDWARE, SAFETRAN 035200-X CR 02-480546				
2	670-353390-4	EA	\$43.04	\$86.09	SIGN, "2 TRACKS" LESS HARDWARE SAFETRAN 035207-2X				
2	670-006438-4	EA	\$10.54	\$21.08	TAPE, 4" X 96" REFLECTIVE APPLY TO BACK OF X-BUCK SIGN, ONLY IN IA., IN., IL., AL. 035200-555X				
2	670-330382-4	RL	\$10.75	\$21.49	TAPE, THOR 3" DURATEC, ORANGE 1000' LENGTHS, "WARNING STOP DIGGING"				
4	670-007238-4	EA	\$137.14	\$548.54	UNIT, THE INSTALLATION AND WIRING OF A DEVICE WHICH REQUIRE A MINIMUM OF FOUR WIRE CONNECT-				
150	465-377911-4	FT	\$0.42	\$62.94	WIRE, ALUMOWELD GUY 7 #10 STRAND BERM WALL / POLELINE GUY WIRE (ORDER 150' PER BERM WALL) PER GLEXION 2-17-98				
100	465-999111-4	LF	\$0.30	\$29.68	WIRE, NO. 10, 1 CONDUCTOR, CASE, FLEXIBLE 37 STRAND, 3/64 IN. INSULATION-ORDER EXT.AMT. NEEDED CR 02-620502				
100	465-999161-4	LF	\$0.17	\$17.40	WIRE, NO. 16, 1 CONDUCTOR, CASE, FLEXIBLE, 19 STRAND, 2/64 IN. INSULATION CR 02-620254				
1	670-405488-4	EA	\$29,396.00	\$29,396.00	WIRED RACK, 6X6 FARADAY, COMPLETE/GCF3000D2 DOUBLE TRK, 20 AMP SSCIII, 4 ISL MOD, 1 SAFTRAN CHARGER, 1 CRAGG CHARGER 2 RELAY RACKS, SAFTRAN P/N T15384, USE WITH I/S 670-786834-4				

Total Material \$95,290.41

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